

AMENDMENTS TO THE CLAIMS

1. **(Currently Amended)** A communication device for performing transmission and reception of a content with another communication device having a setting unit that sets a time-to-live of an IP packet for transmitting to a predetermined value, the communication device comprising:

a storage unit operable to store therein a common predetermined value that is common to the communication device and the other communication device;

an acquiring unit operable to acquire a time-to-live of an IP packet received from the other communication device;

a judging unit operable to judge whether the acquired time-to-live is less than or equal to ~~a pre-stored comparison value~~ the common predetermined value stored in the storage unit; and

a communication unit operable to conduct content transmission/reception with the other communication device only when said judging unit has judged that the acquired time-to-live is less than or equal to ~~the pre-stored comparison value~~ common predetermined value stored in the storage unit, and to not conduct content transmission/reception with the other communication device when said judging unit has judged that the acquired time-to-live is not less than or equal to ~~the pre-stored comparison value~~ common predetermined value stored in the storage unit.

2-4. **(Canceled)**

5. **(Previously Presented)** The communication device of claim 1, further comprising:

a key sharing unit operable to share key information with the other communication device.

6. **(Previously Presented)** The communication device of claim 5, further comprising:

an encryption unit operable, using the shared key information, to encrypt contents and decrypt encrypted contents, wherein

the communication unit transmits/receives encrypted contents.

7-13. (Canceled)

14. **(Currently Amended)** A content distribution system for performing transmission and reception of a content with a first communication device and a second communication device,

the first communication device including:

a setting unit operable to set a time-to-live of an IP packet for transmission to the second communication device to a predetermined value, and

the second communication device including:

a storage unit operable to store therein a common predetermined value that is common to the first communication device and the second communication device;

an acquiring unit operable to acquire the time-to-live of the IP packet received from the first communication device;

a judging unit operable to judge whether the acquired time-to-live is less than or equal to ~~a pre-stored comparison value~~ the common predetermined value stored in the storage unit; and

a communication unit operable to conduct content transmission/reception with the first communication apparatus only when said judging unit has judged that the acquired time-to-live is less than or equal to the ~~pre-stored comparison value~~ common predetermined value stored in the storage unit, and to not conduct content transmission/reception with the first communication device when said judging unit has judged that the acquired time-to-live is not less than or equal to the ~~pre-stored comparison value~~ common predetermined value stored in the storage unit.

15. **(Currently Amended)** A content distribution method for performing transmission and reception of a content with a first communication device and a second communication device, comprising:

in the first communication device

setting a time-to-live of an IP packet for transmission to the second communication device to a predetermined value, and

in the second communication device

storing a common predetermined value that is common to the first communication device and the second communication device

acquiring the time-to-live of the IP packet received from the first communication device;

judging whether the acquired time-to-live is less than or equal to ~~a pre-stored comparison value~~ the stored common predetermined value; and

conducting content transmission/reception with the first communication device only when said judging judges that the acquired time-to-live is less than or equal to ~~the pre-stored comparison value~~ stored common predetermined value, and not conducting content transmission/reception with the first communication device when said judging has judged that the acquired time-to-live is not less than or equal to ~~the pre-stored comparison value~~ stored common predetermined value.

16. **(Currently Amended)** A computer-readable recording medium having recorded thereon a content distribution computer program for causing a first communication device to perform a method comprising setting a time-to-live of an IP packet for transmission to a second communication device to a predetermined value, and for causing the second communication device to perform a method comprising: storing a common predetermined value that is common to the first communication device and the second communication device; acquiring the time-to-live of the IP packet received from the first communication device; judging whether the acquired time-to-live is less than or equal to ~~a pre-stored comparison value~~ the stored common predetermined value; and conducting content transmission/reception with the first communication device only when said judging judges that the acquired time-to-live is less than or equal to ~~the pre-stored comparison value~~ stored common predetermined value, and not conducting content transmission/reception with the first communication device when said judging has judged that the acquired time-to-live is not less than or equal to ~~the pre-stored comparison value~~ stored common predetermined value.

17. **(Currently Amended)** An LSI, comprising a computer-readable storage medium having a content distribution computer program stored thereon, for executing the content distribution computer program to cause a first communication device to perform a

method comprising setting a time-to-live of an IP packet for transmission to the second communication device to a pre-stored comparison value, and to cause a second communication device to perform a method comprising: storing a common predetermined value that is common to the first communication device and the second communication device; acquiring the time-to-live of the IP packet received from the first communication device; judging whether the acquired time-to-live is less than or equal to the ~~pre-stored comparison value~~ stored common predetermined value; and conducting content transmission/reception with the first communication device only when said judging judges that the acquired time-to-live is less than or equal to the ~~pre-stored comparison value~~ stored common predetermined value, and not conducting content transmission/reception with the first communication device when said judging has judged that the acquired time-to-live is not less than or equal to the ~~pre-stored comparison value~~ stored common predetermined value.

18. **(Previously Presented)** The communication device of claim 1, further comprising:
an invalidation information acquiring unit operable to acquire, via a network, invalidation information identifying an invalidated communication device; and
a storage unit operable to store the invalidation information acquired by the invalidation information acquiring unit.

19. **(Previously Presented)** The communication device of claim 18, further comprising:
a comparison unit operable to compare the acquired invalidation information and the invalidation information stored by the storage unit; and
an updating unit operable, when the acquired invalidation information and the invalidation information stored by the storage unit do not match, to replace the stored invalidation information with the acquired invalidation information.

20. **(Previously Presented)** The communication device of claim 6, wherein
the encryption unit performs encryption based on an Advanced Encryption Standard.